CCGPS Precalculus Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 5 Matrices

Evaluating Matrices Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Block\_\_\_\_\_\_\_\_

*EQ: How do we perform operations on matrices?*

**MCC9-12.N.VM.8 (+) Add, subtract, and multiply matrices of appropriate dimensions**

**MCC9-12.N.VM.9 (+) Understand that, unlike multiplication of numbers, matrix multiplication for square matrices is not a commutative operation, but still satisfies the associate and distributive properties**

   

  

Given the following matrices, simplify the expressions. Show all work on a separate piece of paper.

1. A - 4C
2. BE
3. E
4. 3A + C
5. ED
6. F - D
7. CB
8. A²
9. ½(A - B)
10. C(A + B)
11. FE
12. (B - C)E
13. AB + C
14. A + 2B – 3C
15. 3D – F